UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

ATHENS, GEORGIA 30605

Other:

DATE

JUN 2 0 1979

SUBJECT: Status Report for Smith's Dump Site Near Shepherdsville, KY

FROM: Water Surveillance Branch

TO: See Below

THRU: M. D. Lair, Chief

Engineering Section

SUMMARY

Analyses of water and sediment samples collected from the unnamed tributary receiving leachate drainage from the Smith's Dump site did not indicate the presence of any pesticides, PCB's or other chlorinated compounds. The leachate stream itself was free of any of the same compounds. However, screening of extractable organic compounds did reveal the presence of several unidentified organic compounds ranging from <5 to 5,000 $\mu g/1$ (parts per billion). Metal analyses for the water and sediment samples collected from the unnamed tributary did not reveal any metal concentrations of concern. Metal analyses from the leachate stream were relatively low, while the sediment contained 1,032 $\mu g/g$ (parts per million) of chromium and 104 $\mu g/g$ of lead. When the extractable organics analyses are completed, those data will be forwarded.

ACTION

For your information and use.

BACKGROUND

Memo from William R. Davis dated May 17, 1979: "Investigation of Smith's Dump Site near Shepherdsville, KY."

Attachment

Addressees:

Enforcement Division

Turnipseed Stonebraker

AHMD Devine

Scarbrough/Dickinson

Water Division

Traina

Hutchinson/McClanahan

S&A Division

Finger/Adams

Lair/Carter

Carroll/Bennett

Tebo



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region IV, Athens, GA

DATE: June 1, 1979

SUBJECT: Results of Volatile Organic Analyses, Water Samples,

Smith's Dump, Sheperdsville, KY

FROM: Chief, Analytical Services Section

Laboratory Services Branch

To: Doug Lair, Chief
Engineering Section

Attached are the results of volatile organic analysis performed on the subject samples, received by LSB on 4/20/79.

These samples were analyzed by Versar, Inc., Springfield, Virginia. Their reported quality control data supports the validity of these analyses.

Analyses were performed by purge and trap gas chromatography/mass spectrometry.

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Tom B. Bennett, Jr.

Enclosures

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	- 10 - 11 - 1	PROJECT,	Smith's Dymp			CHEMIST	Tom B.	Bennétt,		REC'D.	4/20/79	COMPL'D	5/31/79
ASSESSED AND STREET	Property of the State of		Sheperdsville,	KY						٠.			
and the second									•				

	SAD No.	79C 1028 BL-1, Approx.	79C 1029 BL-2, Bluelick	79C 1032
and the second	SOURCE & STATION	100 yds. upstream	Creek, Downstream from Stream lead-	SS-1, Leachate Stream, base of Hill, above Rd.
		from Leachate Streams	ing from site	Downstream of Pond
	DATE/TIME	4/19/79 @ 1615	4/19/79 @ 1645	4/19/79 @ 1600
	COMPOUND units - ug/l			
	Chloromethane	ND (1)	ND (1)	ND (1)
	Bromomethane	ND (1)	!ND (1)	ND (1)
	Vinyl Chloride	ND (1)	ND (1)	4 - 3
	Chloroethane	ND (1)	ND (1)	ND (1)
	Methylene Chloride	ND (1)	ND (1)	330
	Trichlorofluoromethane	ND (1)	ND (1)	ND (1)
	1,1-Dichloroethylene	ND (1)	ND (1)	ND (1)
	1,1-Dichloroethane	ND (1)	ND (1)	ND (1)
	Trans-1,2-Dichloroethene	ND (1)	ND (1)	ND (1)
THE THE PARTY OF T	Chloroform	ND (1)	ND (1)	1 ÷
	1,2-Dichloroethans	ND (1)	ND (1)	ND (1)
	1,1,1-Trichloroethane	ND (1)	ND (1)	15
	Carbontetrachloride	ND (1)	ND (1)	ND (1)
	Bromodichloromethane	ND (1)	ND (1)	ND (1)
	1,2-Dichloropropane	ND (1)	ND (1)	ND (1)
er de fatte en fill de fatte per de la collège de la c La collège de la collège d	Trans-1,3-Dichloropropene	ND (1) -	- ND (1)	ND (1) :
	Trichloroethylene	ND (1)	ND (1)	30 👊
	Benzene	ND (1)	ND (1)	. 5
	Cis-1,3-Dichloropropene	ND (1)	ND (1)	ND (1)
t desirable and the state of th	1,1,2~Trichloroethane	ND (1)	ND (1)	3
THE WAY WITH A STATE OF THE PROPERTY OF THE PR	Dibromochloromethane	ND (1)	ND (1)	ND (1)
A Company of the Comp	Bromoform	ND (1)	ND (1)	ND (1)
	Tetrachloroethylene	ND (1)	ND (1)	3
	1,1,2,2,-Tetrachloroethane	ND (1)	ND (1)	ND (1)
	Toluene	ND (1)	ND (1)	285 - ≖
	Chlorobenzene	ND (1)	ND (1)	1
	Ethyl Benzene	ND (1)	ND (1)	44
	Acrolein	ND (10)	ND (10)	ND (10)
	Acrylonitrile	ND (10)	ND (10)	11
			. Webster en	
	ND - None Detected; number in parenthesis i	s the minimum dete	ction limit.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
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		and the second of the second o	State (1877) 188 188 188 188 188 188 188 188 188 18	たったこのに タコラル ディダル

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Region IV, Athens, GA

ATE: June 1, 1979

Results of Volatile Organic Analyses, Water Samples, Smith's Dump, Sheperdsville, KY

ROM: Chief, Analytical Services Section Laboratory Services Branch

To: Doug Lair, Chief Engineering Section

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